

Compatible with notebooks designed and verified for the Intel® Interchangeability Initiative

- ★ 12.7mm height and high efficient power saving modes for notebook computer use
- ★ SMART-BURN(*1) avoiding Buffer Under Run error, Automatically adjusting writing strategy & running OPC to provide the best burning quality
- ★ SMART-X(*2) function adjusts CD-DA / VCD / DVD data extraction to a fastest allowable speed according to both data request rate from host and disk quality
- ★ Support Fixed Packet, Variable Packet, TAO, SAO, DAO, Raw Mode Burning & Over-Burn
- ★ DVD read compliant: DVD single/dual layer (PTP, OTP), DVD-R(3.9G/4.7G), DVD-R multi-borders, DVD+R, DVD+R multi-sessions, DVD+R Double Layer, DVD-RW, and DVD+RW discs with diameter of 8 or 12 cm
- ★ CD read compliant: CD-DA, CD-ROM, CD-ROM/XA, Photo-CD, Multi-session, Karaoke-CD, Video-CD, CD-I FMV, CD Extra, CD Plus, CD-R, and CD-RW discs of 8 or 12 cm
- ★ Conforms to Orange Book: Part 2 CD-R Volume 1, Part 2 CD-R Volume 2 Multi Speed, Part 3 CD-RW Volume 1 (1x, 2x, and 4x), Part 3 CD-RW Volume2: High Speed, Part 3 CD-RW Volume 3: Ultra Speed. Support Fixed packet, Variable packet, Disc-at-once, Session-at-once and Track-at-once
- ★ Support PIO mode 4, DMA mode 2 and Ultra DMA mode 2

Specifications

- ◎ **Performance :**
 - Write CD** 24x Max
 - ReWrite CD** 24x Max
 - Read:**
 - CD Family 24x Max
 - DVD Family 8x Max
 - Access time**
 - CD Family 95ms
 - DVD Family 100ms
- ◎ **Buffer Size :** 2MB
- ◎ **PC Required :** Pentium 166MHz or faster CPU, 128MB DRAM Required
HDD must have access time < 20ms, with a minimum of 100MBytes Free space
- ◎ **Compatibility :** Windows 98/2000/XP family
- ◎ **MTBF(Life) :** 60000 Hours
- ◎ **Environment :**
 - Operating 5°C to 35°C; Relative Humidity: 10% to 80% (non-condensing)
 - Non-Operating -40°C to 65°C; Relative Humidity: 10% to 90% (non-condensing)
- ◎ **Dimension :** 128(W) x 12.7(H) x 127(D) mm
- ◎ **Weight :** 200 +/- 0.5g
- ◎ **Voltage Requirements :** +5V +/-5% and less than 100 mVp-p ripple voltage from 1KHz to 1MHz



*1 **SMART-BURN** : Smart Monitoring & Adapting Recording Technology for **BURN**ing.

*2 **SMART-X** : Smart Monitoring & Adjusting Read-speed Technology for **eX**traction.